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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रख जा सके ।
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

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The 23rd March 1988

242/Cal/88. Dr. Walter Huber. Process and apparatus for extracting endocrine islets from a donor organ and use of the islets for the treatment of metabolic diseases.

243/Cal/88. Siemens Aktiengesellschaft. Backplane having a jumper plug to connect socket connectors to a bus line.

244/Cal/88. Kraftwerk Union Aktiengesellschaft. Power station including an integrated coal gasification plant.

The 24th March 1988

245/Cal/88. Belorusky Gosudarstvenny Universitet Imeni V. I. Lenina. Number-to-pulse-duration converter.

246/Cal/88. Vsesojuzny Nauchno-Issledovatel'skiy I Konstruktorskiy Institut Sredstvy Izmereniya V Mashinostroenii (Vnii Izmereniya). Contact sensing probe.

247/Cal/88. Hoechst Aktiengesellschaft. Process for the preparation water-soluble monazo and disazo compounds.

[Divisional dated 17th March, 1986].

248/Cal/88. Hoechst Aktiengesellschaft. Process for the preparation water-soluble monazo and disazo compounds.

[Divisional dated 17th March, 1986].

The 28th March 1988

249/Cal/88. MRE Corporation. Variable strength materials formed through rapid deformation.

250/Cal/88. MRE Corporation. Apparatus for forming variable strength materials through rapid deformation and methods for use therein.

251/Cal/88. Hitachi Construction Machinery Co., Ltd. Drive control system for hydraulic machine.

252/Cal/88. Michigan Consolidated Gas Company. A gaseous fuel torch apparatus adapted for use in cutting or welding operations.

[Divisional dated 7th February, 1986].

253/Cal/88. Dart Industries Inc. Molding compositions comprising reinforced filled wholly aromatic polyesters.

254/Cal/88. (1) Metallgesellschaft Aktiengesellschaft; (2) AMH-Chemie GmbH. Process of producing a gas for the synthesis of ammonia.

255/Cal/88. E. I. Du Pont de Nemours and Company. Improved cationic-dyeable copolyester draw-texturing feed yarns.

256/Cal/88. Theo Schrodgers. A fire-barrier door.

257/Cal/88. Westinghouse Electric Corporation. Improvements in or relating to method and apparatus for removing polycyclic aromatic hydrocarbons from the exhaust of a municipal waste incinerator.

APPLICATION FOR THE PATENTS FILED AT THE
PATENT OFFICE BRANCH

MUNICIPAL MARKET BUILDING, IIIrd FLOOR
KAROL BAGH, NEW DELHI-5

The 29th February 1988

152/Del/88. Tarun Sanon., "An improved roller for machines and machines incorporating the said roller".

153/Del/88. Alsthom., "A method of applying a protective coating to a titanium alloy blade, and a blade obtained thereby".

154/Del/88. Emhart Industries, Inc., "Electronic locking apparatus".

155/Del/88. The B. F. Goodrich Company., "Mechanically compatible, polyphase blend of poly (vinyl chloride), polyolefin chlorinated polyethylene, and graft copolymer of polyolefin, and rigid fiber reinforced composite thereof".

The 1st March 1988

156/Del/88. Rajendra Prasad Gupta and Rashmi Rekha Gupta., "An equipment for making no-beany flavour soya milk".

[Convention date 12th March 1987, (Canada)].

157/Del/88. Morgan Construction Company., "A rolling mill".

[Convention date 4th March, 1987, (U.K.)].

158/Del/88. Apple Computer, Inc., "Computer with expansion slots for cards".

[Convention date 25th August, 1987, (U.K.)].

159/Del/88. Apple Computer, Inc., "Card for computer with expansion slots".

[Convention date 25th August, 1987, (U.K.)].

160/Del/88. Vsesojuzny Nauchno-Issledovatel'skiy I projektnyy Institut Aluminievoy, Magnitovoy I elektrodnoi Promyshlennosti., "System for controlling the process of producing aluminate solution from bauxite".

The 2nd March 1988

161/Del/88. American Colloid Company., "Liquid crop stimulant".

162/Del/88. Vertran Manufacturing Company., "Hydraulic door opening or closing device".

163/Del/88. The Lubrizol Corporation., "Gear lubricant package containing a synergistic combination of components".

164/Del/88. The Lubrizol Corporation. Protic solvent in a dehydrohalogenation process, the product obtained therefrom and lubricant compositions containing same".

The 3rd March 1988

165/Del/88. Union Carbide Corporation., "Chemical processing with an operational step sensitive to a feedstream component".

166/Del/88. Alsthom., "Moving blading for steam turbines".

ALTERATION OF DATE

162316.

(690/Cal/86)

Ante dated to

162317.

(295/Cal/87)

Ante dated to 6th December, 1983.

162328.

(169/Del/86)

Ante dated to 24th March, 1983.

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CLASS : 10-D. 162301

Int. Cl. : F 41 f 15/00.

GUN FIRE CONTROL SYSTEMS.

Applicant : BARR & STROUD LIMITED, OF CAXTON STREET, ANNIESLAND, GLASGOW G13 1HZ, SCOTLAND.

Inventors : 1. GORDON ROBERTSON SMITH, 2. JOHN HUNTER STEWART, 3. RALPH HILARY BAGNAIL-WILD.

Application No. 277/Cal/82 filed March 11, 1982.

Convention dated 12th March, 1981 (81 07756) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A gun fire control system comprising :

means for presenting a displayed range value to a system operator,

manually-operable means for providing a range correction input by a system operator as a measure of the extent by which a projectile misses a target sighted according to the displayed range value,

a rangefinder for establishing a true range value to the target,

first memory means preprogrammed with true range to standard ballistic range conversion data and operable on receipt of a true range value to output the corresponding standard ballistic range value from said conversion data,

second memory means preprogrammed with preact correction coefficients,

first calculating means for evaluating air density and charge temperature parameters according to the outputs of said manually-operable means, said first memory means and said second memory means,

second calculating means for evaluating a correction factor utilising the parameter values evaluated by said first calculating means, the standard ballistic range value output by said first memory means and the correction coefficients from said second memory means,

combining means for combining the standard ballistic range value output by said first memory means and the correction factor output by said second calculating means to provide a corrected ballistic range value for delivery to said presenting means and against which to sight the target for firing a subsequent projectile.

Compl. Specn. 19 pages.

Drgs. 2 sheets.

CLASS : 185-D.

162302

Int. Cl. : A 23 f 3/12.

IMPROVED SLOW SPEED AND HIGH SPEED ROLLERS FOR CTC MACHINES AND CTC MACHINE INCORPORATED SAME.

Applicant : M/s. STEELS WORTH PVT. LTD., OF 17, GANESH CHANDRA AVENUE, CALCUTTA-700 013, INDIA.

Inventor : 1. SHRI MANGALORE PRABHAKAR PRABHU.

Application No. 1220/Cal/83 filed October 3, 1983.

Complete Specification left on 22nd September, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

Improved slow speed and high speed rollers for CTC machines each roller being a shaftless roller having an axial bore from each end thereof adapted to be supported on means comprising : (i) for one end each of said slow speed roller and said high speed roller; a cylindrical shaft mounted on suitable bearing assembly, said shaft having at its free end thereof a tapered portion and optionally a cylindrical portion following said tapered portion towards the bearing side, said tapered portion having a tapering substantially corresponding to the tapering provided at one end of the CTC roller, said cylindrical portion having a diameter corresponding to the diameter of a safety collar optionally mountable on the roller, said tapered portion being further provided with a suitable key thereon and (ii) for each other end of said slow speed roller and high speed roller : a cylindrical shaft mounted on suitable bearing assembly having a leading tapering portion and optionally a cylindrical portion said tapering portion having an adjacent cylindrical portion towards the bearing side, the tapering portion having a taper substantially corresponding to the tapering in the CTC roller at the other end thereof, the adjacent cylindrical portion having a diameter corresponding to the diameter of the safety collar optionally mountable on the roller, said tapering portion being provided with a key for engaging the key-way in the tapering of the roller, the cylindrical portion of the shaft lying within the bearing assembly having a key for engaging with the rotatable sleeve held within the bearing assembly, said sleeve being provided with a drive mechanism at its free end thereof.

Provl. Specn. 7 pages.

Drgs. 5 sheets.

Compl. Specn. 10 pages.

Drg. Nil.

CLASS : 27-J, L & O.

162303

Int. Cl. : E 04 b 1/00, 2/00, 5/00.

A BUILDING STRUCTURE.

Applicant & Inventor : LUIGI GRANIERI, OF SS 33 BIS-KM. 62,200 PANTALIA (PROVINCE OF PERUGIA) ITALY.

Application No. 200/Cal/84 filed March 24, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A building structure with peripheral and interior walls based on a concrete slab foundation said walls being made up of reinforced concrete precast rectangular panels approached to one another all having the same dimensions, their heights being equal to the distance between the floor and the ceiling of a story of the building, characterized by the fact that each of said panels is provided along its upper edge with a horizontal channel like metal profile open upwards and along its vertical sides with a channel like metal profile such that a duct is defined between the vertical profiles of a pair of adjoining panels assembled in the building; said metal profiles both horizontal and vertical being embedded in the concrete panel when this is cast into its form; a tie rod being led to extend vertically within said duct which rod is hooked at its lower end to the upright leg of an inverted T metal shaped anchored to the building slab and extending under and along the building walls; said tie rod being threaded at its upper end for connecting it by means of a nut to a plate means by which the upper channels of a pair of adjoining panels are fastened to one another; said panel being also provided along its lower edge with a furrow in which said leg of the inverted T metal shape is received; said duct between each pair of panels filled with concrete.

Compl. Specn. 22 pages.

Drgs. 12 sheets.

CLASS : 99-H.

162304

Int. Cl. : B 21 d 51/36; B 29 d 23/20; B 65 d 35/00, 53/00.

COLLAPSIBLE DISPENSING MADE OF A MULTIPLE LAYER SHEET MATERIAL WITH A HERMETICALLY SEALED HEADPIECE HAVING A DISPENSING ORIFICE THEREIN.

Applicant : AMERICAN CAN COMPANY, OF AMERICAN LANE, GREENWICH, CONNECTICUT 06830, U.S.A.

Inventors : 1. JOHN PAUL ECKSTEIN, 2. WILLIAM STANLEY GILLESPIE, 3. SUZANNE ELAINE SCHAEFER.

Application No. 585/Cal/84 filed August 22, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A collapsible dispensing tube made of a multiple layer sheet material with a hermetically sealed headpiece having a dispensing orifice therein characterized in that said multiple layer sheet material has a first outer surface layer said first outer surface layer being adhered to said headpiece orifice and extending across and closing said orifice, said sheet material comprising a composite layer made of a first and a second layer of metal foil and a third layer of polymer disposed between said first and

second metal layers and firmly adhered to said first and second metal layers, and a fourth layer of polymer outside the composite structure of said first, second and third layers, and firmly adhered to said first metal layer, said fourth layer being said first outer surface layer of said sheet material and being the functional means of keeping said sheet material adhered to said headpiece, said tube optionally including fifth layer of polymer on the outer surface of said second foil layer, said fifth layer serving as a second outer surface layer of said sheet material.

Compl. Specn. 22 pages.

Drgs. 4 sheets.

CLASS : 127-I.

162305

Int. Cl. : F 16 m 1/00.

WALL ASSEMBLY.

Applicant : VEB KOMBINAT POLYGRAPH "WERNER LAMBERZ" LEIPZIG, OF 7050 LEIPZIG, ZWEIN-AUNDORFER STR. 59, GERMAN DEMOCRATIC REPUBLIC.

Inventor : 1. BARTHEL SIEGFRIED.

Application No. 587/Cal/84 filed August 22, 1984.

Convention dated 24th May, 1984 (84 13358) U. K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A wall assembly comprising a plurality of substantially co-planar wall members which are provided with counting bores extending transversely therethrough and which bear against each other by way of a plurality of bearing pins each engaged in a respective pair of part-cylindrical recesses provided one in each of two neighbouring edge portions of the members and extending parallelly to the mounting bores, the radius of curvature of each recess being substantially the same as that of the associated pin and the radial depth of each recess being less than the radius of the associated pin.

Compl. Specn. 14 pages.

Drgs. 4 sheets.

CLASS : 97-B & F.

162306

Int. Cl. : C 04 b 35/52.

METHOD AND APPARATUS FOR MANUFACTURING CARBON ELECTRODES.

Applicant : SOCIETE DES ELECTRODES ET REFRACTAIRES SAVOIE (S.E.R.S.), OF TOUR MANHATTAN-6, PLACE DE L' IRIS, 92400 COURBEVOIE, FRANCE.

Inventors : 1. BERNARD EYGLUNENT, 2. JOSE LUIS CABARCOS SANJURJO.

Application No. 685/Cal/84 filed September 26, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A method of manufacturing carbon electrodes which comprises preheating the said electrodes with at least part of the heat recovered from the fumes emanating from the chimneys of each firing furnace, placing the electrodes on movable sole plates and inserting them in one or more preheating cells which are separate from but close to the set of firing furnaces, passing at least a portion of the fumes picked up in the chimney downstream of the normal incinerator into each preheating cell, wherein the maximum temperature at the end of the treatment is below the temperature at which the volatile materials in the organic after transferring the movable plates supporting the pre-binder are released, and thereafter completing the firing after transferring the movable sole plates supporting the pre-heated electrodes to the firing furnaces.

Compl. Specn. 14 pages.

Drg. 1 sheet.

CLASS : 195-D.

162307

Int. Cl. : F 16 k 43.00.

CLOSING PLATES MADE OF FIRE-RESISTANT MATERIAL FOR LINEAR OR ROTATORY SLIDE-VALVE SHUTTERS.

Applicant : DIDIER-WERKE AG., OF LESSINGSTR. 16-18, 6200 WIEBSBADEN, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. UDO MUSCHNER.

Application No. 784/Cal/84 filed November 14, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

Slide gate refractory plates made of fire-resistant, for example, ceramic material for linear or rotary slide gate valve shutters for the sink on the container containing the melt of a metal, with at least one continuous passage, marked by at least one additional continuous passage (4) which is closed with a dummy or blind plug (5) made of fire-resistant material.

Compl. Specn. 17 pages.

Drgs. 2 sheets.

CLASS : 49-A.

162308

Int. Cl. : A 21 d 2/40.

EXTRUSION APPARATUS FOR EXTRUDING EDIBLE SUBSTANCES.

Applicant : NABISCO BRANDS INC., AT NABISCO BRANDS PLAZA, PARSIPPANY, NEW JERSEY 07054, UNITED STATES OF AMERICA.

Inventors : 1. ROBERT STRAKA, 2. ROBERT EDGAR ROSS, 3. FRED VANDERVEER.

Application No. 231/Cal/85 filed March 28, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

An extrusion apparatus for extruding dough, the apparatus comprising :

a dough mixer arranged to mix dough, the dough mixer opening for dough ingredients;

an auger arranged to convey mixed dough under pressure from the dough mixer to a die head having a die slot through which the mixed dough can pass, the long edges of the die slot being arranged substantially vertically; and

two guide surfaces disposed on either side of the die slot and extending substantially vertically and substantially parallel to the length of the die slot, so that when the mixed dough undergoes vaporization of water and expansion of steam therein as it leaves the die slot, contact between the mixed dough and the two guide surfaces enables uniform escape of water vapour from the two substantially vertical surfaces of the extruded dough, thereby producing a more uniformly textured cellular product.

Compl. Specn. 25 pages.

Drgs. 3 sheets.

CLASS : 129-G.

162309

Int. Cl. : B 23 q 3/00.

VERSATILE KNOCKDOWN FIXTURE.

Applicant : MEZHOTRASLEVOI GOLOVNOI KONSTRUKTORSKO TEKHNOLOGICHESKOI OSNASTKI (MGKTI TEKH-OSNASTKI) OF KHARKOV. ULITSYA KOTLOVA, 83, USSR.

Inventors : 1. VASILY DANILOVICH BIRJUKOV, 2. VLADIMIR VLADIMIROVICH KOLGANENKO, 3. VSEVOLOD VIKTOROVICH TSAREGRADSKY, 4. VLADIMIR GRIGORIEVICH DAROVSKY, 5. BORIS KONSTANTINOVICH TITOV.

Application No. 940/Cal/85 filed December 31, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A versatile knock-down fixture incorporating datum members each whereof is provided with a hole receiving fasteners and with at least two intersecting grooves which are located in the side with mating faces and form, after the mating faces have been joined, compound spaces; at the intersection of the grooves there is provided an annular recess contained wherein is a sleeve with radial holes in its side and held fast in every hole is a cylindrical key which is secured in the hole by means of an indent at its end and fits the corresponding space with a guaranteed interference, each groove lifting wherein to is a key, being of trapezoid cross section within the area of contact with the key and having a depth greater than one half of the diameter of the key.

Compl. Specn. 8 pages.

Drgs. 2 sheets.

CLASS : 129-M.

162310

Int. Cl. : B 21 d 28/00.

PUNCH RETAINER.

Applicant & Inventor : BERNARD JOSEPH WALLIS, OF 25315 KEAN AVENUE, DEARBORN, UNITED STATES OF AMERICA.

Application No. 300/Cal/86 filed April 17, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A punch retainer comprising a body having parallel top and bottom faces and a pair of opposite side faces, said body having adjacent one and thereof a though bore perpendicular to said top and bottom faces and disposed laterally between said side faces, a backing plate seated on the top face of said body, means fixedly and substantially permanently securing the backing plate on the retainer body said backing plate having a bore therethrough substantially smaller than and accurately concentric with said bore in said body for receiving a dowel pin adapted to project upwardly into a registering bore in the die shoe and a pair of vertically extending, laterally spaced through bores in said body for receiving screws to secure the retainer on the mounting face of a die shoe.

Compl. Specn. 10 pages.

Drg. 1 sheet.

CLASS : 146-D₃.

162311

Int. Cl. : G 02 b 9/34, 12/18, 15/14.

INFRARED OBJECTIVE LENS ASSEMBLY FOR USE IN AN AFOCAL REFRACTOR TELESCOPE.

Applicant : BARR & STROUD LIMITED, OF CAXTON STREET, ANNIESLAND, GLASGOW G13 1HZ, SCOTLAND.

Inventor : I. IAIN ALEXANDER NEIL.

Application No. 1445/Cal/83 filed November 23, 1983.

Convention date 23rd November, 1982 (82 33434) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

An infrared objective lens assembly comprising a four-component zoom system arranged to accept from object space input radiation in the infrared waveband and a one-component collecting system arranged to form a real image from radiation delivered thereto by said zoom system, the components of said zoom and collecting systems being formed by lens elements the refractive surfaces of which intercept a common optical axis, and wherein with respect to said collecting system the first and third components of said zoom system each have negative optical power and are mounted on a common carriage so as to be selectively positionable along said optical axis, the second and fourth components of said zoom system each have positive optical power and are fixedly positioned on said optical axis whereby said zoom system is optically-compensated and of variable effective focal length, said third zoom-system component being movable between a first location proximal to said fourth zoom-system component which first location establishes the lowest magnification factor of the zoom system and a second location, proximal to said second zoom-system component, which second location establishes the highest magnification factor of the zoom system, said zoom system being unstopped so that movements of the first and third zoom-system components give rise to movements in the axial position of the pupil formed by the assembly prior to the real image, said pupil moving between a lowest-magnification-factor position lying intermediate the collecting system and the first zoom-system component and a highest-magnification-factor position lying intermediate the third zoom-system component and the fourth zoom-system component, and said fourth zoom-system component comprises a lens element having an aspheric refractive surface, the refractive surfaces of all other lens elements of the zoom system being non-aspheric.

Compl. Specn. 17 pages.

Drgs. 2 sheets.

CLASS : 185.

162312

Int. Cl. : A 47 j 31/00.

AN IMPROVED APPARATUS FOR PROCESSING A FIBROUS PRODUCT LIKE TEA LEAVES AND METHOD OF DOING THE SAME.

Applicant & Inventor : TERENCE CHARLES MARTIN, OF 43 NORTHCOTE ROAD, WALTHAMSTOW, LONDON, E. 17, ENGLAND.

Application No. 1477/Cal/83 filed December 2, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

An improved apparatus for processing a fibrous product like tea leaves comprising a first member carrying a substantially cylindrical array of first interactive components

as herein described, which member is rotatably mounted about the longitudinal axis of the array, a second member carrying a substantially planar array of second interactive components as herein described which member is mounted so as to be oscillatable about a second axis, means for rotating the first member and means for causing the second member to oscillate about the second axis, wherein in use the array of second interactive components remains in tangential engagement with the array of first interactive components, to effect the processing of the product disposed between the interactive components of the two members.

Compl. Specn. 18 pages.

Drg. 1 sheet.

CLASS : 80-G, H, I & K.

162313

Int. Cl. : F 16 j 15/00.

APPARATUS FOR RETAINING A LIQUID PHASE BETWEEN A WALL AND A ROTARY MEMBER PASSING THERE THROUGH.

Applicant : ALUMINIUM PECHINEY, OF 23 RUE BALZAC, 75008 PARIS, FRANCE.

Inventor : I. JEAN BARRA.

Application No. 73/Cal/84 filed February 2, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

An apparatus for retaining a liquid phase between a fixed wall (2) and a rotary member (3) passing therethrough which liquid phase is possibly charged with solid materials, in order to provide a seal which eliminates friction while however accepting limited leakage of the liquid phase, characterised in that said apparatus comprises :

- (a) a partition member (6) which is fixed with respect to the rotary member (3) and the periphery of which has at least one planar surface (7) which is perpendicular to the axis of rotation of said member, forming a bearing surface and a surface, (8) which is concentric to said axis and which is joined to the bearing surface (7).
- (b) a retaining ring (9) which is positioned on the planar surface (7) and the concentric surface (8) of the partition member which is fixed with respect to the rotary member (3), and
- (c) a collar (10) which is joined to the wall, being of inside diameter that is at least equal to the outside diameter of the ring (9) and which is provided with a means for longitudinal positioning thereof on the wall (2) through which the rotary member (3) passes, and adjusting and locking means (11) for preventing rotation thereof.

Compl. Specn. 14 pages. Drgs. 4 sheets.

CLASS : 195-B, D & G.

162314

Int. Cl. : F 16 k 31/00, 41/00, 35/06.

DEVICE FOR HOLDING A DRIVING STEM OF A VALVE FITTING AT A PRESELECTED STROKE SETTING.

Applicant : KLEIN, SCHANZLIN & BECKER AKTIENGESELLSCHAFT, OF POSTFACH 225, JOHANN-KLEIN-STRASSE 9, D-6710 FRANKENTHAL (PFALZ) FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. MANFRED SEGENSCHMIDT, 2. KLAUS MOOSBURGER.

Application No. 419/Cal/84 filed June 16, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

CLASS : 206-E.

162316

Int. Cl. : H 03 h 1/00.

A METHOD OF CALIBRATING A LINEARIZING CIRCUIT.

Applicant : THE BABCOCK & WILCOX COMPANY,
AT 1010 COMMON STREET, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventors : 1. BARRY JEFFREY YOUNG, 2. SHARON LOUISE ZIMMERLIN.

Application No. 690/Cal/86 filed September 18, 1986.

Division of Application No. 1174/Cal/82 dated 12th October, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A method of calibrating a linearizing circuit for a logarithmic output oxygen detector connected to an adjustable biasing circuit for zero adjustment and an adjustable scaling circuit for range adjustment connected to the biasing circuit comprising the steps of :

providing a known maximum desired range output from the oxygen detector;

adjusting the biasing circuit to provide a zero output therefrom for said maximum desired range output

providing a known intermediate desired range output from the oxygen detector; and

adjusting the scaling circuit to provide a known output therefrom corresponding to said known intermediate desired range output.

Compl. Specn. 10 pages.

Drgs. 2 sheets.

CLASS : 156-G.

162317

Int. Cl. : F 15 c 3/00.

A REMOTE CONTROL SYSTEM FOR ACTUATING A MAIN VALVE.

Applicant : PHILADELPHIA GEAR CORPORATION,
OF SCHUYLKILL EXPRESSWAY, KING OF PRUSSIA,
MONTGOMERY COUNTY, PENNSYLVANIA 19406,
UNITED STATES OF AMERICA.

Inventors : 1. DAVID ARTHUR DIPASQUALE, 2. JAMES JOHN HAMMER.

Application No. 295/Cal/87 filed April 14 1987.

Convention date 26th May, 1983 (428; 926) Canada.

Division of Application No. 1494/Cal/83 dated 6th December, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A remote control system for actuating a main valve wherein a selector valve controls the application of high pressure hydraulic fluid to a main valve actuator selectively through a first or second hand pump one of which is used to open the main valve and the other of which is used to close it, each of said hand pumps having a main piston chamber and a main piston in said chamber mounted for

A device for holding a driving stem of a valve fitting at a preselected stroke setting, the driving stem being operated by way of a rotatable non-rising drive bush (7), comprising a threaded ring (13), which surrounds the bush and which, after the engagement of a sliding element (15) in axially extending recesses (16) provided within the actuating mechanism, may be moved upwards and downwards by turning the driving bush (7) within a locking housing (3) attached to the bonnet of the valve fitting and is able to be axially locked by way of a latch (11) to be operated by means of a key (10), characterized by the combination of the following features :

(a) the threaded ring (13) is provided with a male thread and may be turned within a female thread (14) in the locking housing (3) and is arranged so as to be able to move upwards and downwards,

(b) the sliding element has the form of a key (15), is detachably mounted in the threaded ring (13) and fits into one of a plurality of circumferential spaced axial recesses (16) in the driving bush (7).

(c) the key (15) and the means of attaching it are accessible by way of an opening which is provided in the locking housing (3) and may be closed, and

(d) the threaded ring (13) is provided with an aperture (12) into which there may be fitted a locking bolt (11), which is adapted to have an interlocking shape, for providing a locking action in the axial and circumferential directions.

Compl. Specn. 8 pages.

Drgs. 2 sheets.

CLASS : 116-G.

162315

Int. Cl. : B 60 p 1/00.

A BLOCKING SYSTEM FOR USE IN WHEELED MOBILE MATERIAL HANDLING EQUIPMENTS HAVING TWIN AXLES WITH BOGIE.

Applicant : USHA ATLAS HYDRAULIC EQUIPMENT LIMITED, AT 14, PRINCEP STREET, CALCUTTA-700 072, WEST BENGAL, INDIA.

Inventor : 1. SRINIVASAN MAHALINGAM.

Application No. 124/Cal/86 filed February 19, 1986.

Complete Specn. left on 19th May, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A blocking system for use in wheeled mobile material handling equipments having twin axles with bogie comprising a pair of spaced apart swing arms, each of which being adapted to be pivotally mounted to the chassis of the vehicle carrying the material handling equipment, the pivot point of one swing arm being located vertically above the axis of one of the twin axles, while the pivot point of the other swing arm is similarly located in the far side of the twin axles, whereby each swing arm is capable of swinging freely on a plane substantially perpendicular to the axis of its corresponding axle, one end of each said swing arm being pivotally linked a compensating beam which is adapted to be subjected to a reciprocal to and fro displacement by the action of an actuating means, the other free end of each said swing with a locking means mounted on the axles or axle bearing housing by-passing the leaf springs.

Provl. Specn. 6 pages.

Drg. 1 sheet.

Compl. Specn. 9 pages.

Drg. Nil.

down and up strokes, the improvement which comprises the provision of the following :

- (a) an IN port in each of said hand-pumps located at one side of said hand pump main piston chamber;
- (b) means connecting said IN port to a source of hydraulic fluid which is either under very low pressure or under high pressure according to the position of said selector valve;
- (c) an OUT port in each of said hand-pumps located at the other side of said hand pump main piston chamber;
- (d) means connecting said OUT port to said main valve actuator;
- (e) a cross passageway providing hydraulic fluid communication across said hand-pump main piston between said IN port and said OUT port when said hand-pump main piston is in an upper position;
- (f) a first passageway located radially outward of said hand pump main piston chamber for providing hydraulic fluid communication between the bottom of said hand pump main piston chamber and said OUT port;
- (g) one-way means in said first passageway blocking hydraulic fluid flow from OUT port to the bottom of said hand-pump main piston chamber;
- (h) a second passageway located radially outward of said hand-pump main piston chamber for providing hydraulic fluid communication between said IN port and the bottom of said hand-pump main piston chamber;
- (i) a valve seat and a poppet valve in said second passageway;
- (j) an air passageway located radially outwardly of said hand-pump main piston chamber and extending from the top of said hand-pump main piston chamber toward said IN port;
- (k) a small lock-out piston in said air passageway, said lock-out piston having a cross-sectional area corresponding to that of said air passageway in which it is located, said lock-out piston being connected by a shaft to said poppet valve;
- (l) the lower surface of said lock-out piston facing said IN port and being larger in area than the surface area of said poppet valve facing said valve seat, whereby when high pressure hydraulic fluid is applied to said IN port, a differential hydraulic pressure is applied to said lock-out piston sufficient to move said lock-out piston upwardly to seat and close said poppet valve, thereby to cut off fluid communication from said IN port to the bottom of said hand-pump main piston chamber.

Compl. Specn. 14 pages. Drgs. 4 sheets.

CLASS : 83-B₆. 162318

Int. Cl. : A 23 1 1/26.

A PROCESS FOR PREPARING A FLAVORANT.

Applicant : SOCIETE DES PRODUITS NESTLE, S.A., OF P.O. BOX 353, 1800 VEVEY, SWITZERLAND A COMPANY INCORPORATED IN SWITZERLAND.

Inventors : (1) ELDON CHEN-HSIUNG LEE, (2) PIERRE JOSEPH VAN POTTELSBERGHE DE LA POTTERIE, (3) JOHN STEWART TANDY.

Application No. 618/Mas/84 filed August 17, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

7 Claims No drawing

A process for preparing a flavorant for imparting a cooked meat or fish flavor to foodstuffs which comprises combining a lipid material being at least one of a triglyceride and an unsaturated fatty acid with a sulfur-containing compound to form a mixture and reacting the mixture by heating at a temperature of 80° to 120°C for a period of from 0.5 to 2.5 hours to form the flavorant wherein before or during the reaction step, the liquid material is oxidized by being contacted with an oxidizing agent and the ratio of said sulfur containing compound to the said oxidized lipid material is 0.1—1 : 1 parts by weight, optionally the reaction mixture contains an amino acid source.

Compl. Specn. 30 pages.

Drq. nil.

CLASS : 56 A & D.

162319

Int. Cl. : C 10 m 11/00.

AN IMPROVED METHOD OF OBTAINING PURIFIED OIL FROM WASTE OIL.

Applicant : BUSS AG, BASEL, a Swiss company of Lautengartenstrasse 7, 4052 Basel, Switzerland.

Inventor : FELIX WALTER HAURI.

Application No. 676/Mas/84 filed September 4, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

10 Claims

An improved method of obtaining purified oil from waste oil by alkali treatment, comprising the steps of removal of water and of highly volatile components, separation of a tar fraction and distillation of the purified oil, wherein the improvement comprising in combination the steps of;

treating the waste oil with alkali after the complete removal of water and highly volatile components by distillation and before the separation of the tar fraction, distilling and recovering the purified oil by a thin film distillation from the whole tar fraction containing the alkali and solid and non-distillable impurities, and drawing off said tar fraction by pumping means, the heating temperature for the film distillation being 350 to 380°C.

Compl. Specn. 19 pages.

Drq. 1 sheet.

CLASS : 84 A.

162320

Int. Cl. : C 10 j 3/54, 3/56.

"METHOD AND APPARATUS OF MAKING GASEOUS PRODUCTS BY PARTIALLY COMBUSTING AND GASIFYING FINELY DIVIDED CARBONACEOUS MATERIAL".

Applicant : SKF STEEL ENGINEERING AB, A SWEDISH COMPANY, P.O. BOX 202, S-813. BOFORS, SWEDEN.

Inventors : 1. SVEN SANTEN. 2. BJORN HAMMARSKOG.

Application for Patent No. 814/Mas/84 filed on 30th October, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

12 Claims

A method of making gaseous products by partially combusting and gasifying finely divided carbonaceous material such as herein described, wherein the said carbonaceous material is introduced concentrically around a hot gas flow containing oxidizing agents such as O₂, CO₂, steam.

air or mixture of one or more of said compounds, the said hot gas flow being provided by a carrier gas which is heated in a plasma generator and introduced into the reaction chamber as a rotating hot gas flow.

Compl. Specn. 9 pages.

Drgs. 2 sheets.

CLASS : 32 B.

162321

Int. Cl. : C07c 7/00.

A PROCESS FOR CONVERTING A CHARGE STOCK COMPRISING HIGH-BOILING HYDROCARBONS INTO LOWER BOILING HYDROCARBONS.

Applicant : UOP INC., A CORPORATION ORGANISED IN THE STATE OF DELAWARE, WITH ITS PRINCIPAL PLACE OF BUSINESS AT TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS 60016, U.S.A.

Inventors : HAROLD ULRICH HAMMERSHAIMB & DAVID ALFRED LOMAS.

Application for Patent No. 670/Del/84 filed on 21st August, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A process for converting a charge stock comprising higher boiling hydrocarbons such as herein described into lower boiling hydrocarbons such as herein described in a preferably vertically oriented riser conversion zone characterized in that passing an upflowing suspension consisting essentially of hot regenerated active fluid catalytic cracking catalyst such as herein described in a lift gas comprises hydrocarbons including not more than 10 mole % C_4 and heavier hydrocarbons (calculated on a water-free basis) through a lower treatment section of said vertically oriented riser conversion zone at treatment conditions selected to selectively carbonize reaction sites on the catalyst prior to any contact with the charge stock while simultaneously accelerating the catalyst to a velocity sufficient to provide turbulent dilute flow at the point of contact with the charge stock wherein the treatment conditions include a catalyst residence time in the lower section of 0.5 to 15 seconds, a temperature of 500 to 800°C, a weight ratio of catalyst to hydrocarbon in the lift gas greater than 80 and an average superficial gas velocity of the lift gas in the lower section is 1.8 to less than 12.2 meters per second, and introducing the charge stock into the upflowing suspension at a locus in the riser conversion zone downstream of the lower portion to form a mixture of catalyst, charge stock and lift gas having the catalyst relatively uniformly distributed there through and thereafter reacting the charge stock with the catalyst in the upper portion of the riser conversion zone at reaction conditions sufficient to effect the desired conversion.

Compl. Specn. 18 pages.

CLASS : 136E & 25A.

162322

Int. Cl. : E04c 1/00 & B28b 7/22.

"METHOD OF MANUFACTURING A MACHINE MOULD FOR CONTINUOUS CASTING OF DRY WALL BUILDING BLOCKS AND A MACHINE MOULD SO MANUFACTURED".

Applicant & Inventor : RANDOLFFA RUDOLPH OLSEN, A CITIZEN OF ZIMBABWE OF P. O. BOX 4615, HARARE, ZIMBABWE.

Application for Patent No. 189/Del/83 filed on 24th March, 1983

Convention date 24th March, 1982/8208626/(U.K.).

2-47GI/88

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

14 Claims

A method of manufacturing a machine mould for the continuous casting in cycles of a plurality of dry wall building blocks of substantially constant cross-section, wherein the method comprises the steps of : —

- (i) providing at least one master form of a shape and dimensions corresponding to the shape and dimensions of the required finished block;
- (ii) positioning a plurality of metal liners against side faces of the or each master form;
- (iii) filling the spaces around the or each master form and liners to a required height with a liquid casting compound which is then allowed to set; and
- (iv) removing the or each master form to leave a female mould having one or more mould cavities having moulding surfaces formed at least in part by the surfaces of the liners originally placed against the master form or forms.

Compl. Specn. 17 pages.

Drgs. 4 sheets.

CLASS: 32F₂ (a + b).

162323

Int. Cl. : C07d 93/02.

"PROCESS FOR THE PREPARATION OF ENOL ETHER DERIVATIVES OF OXICAMS."

Applicant : PFIZER INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA OF 235 EAST 42ND STREET NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

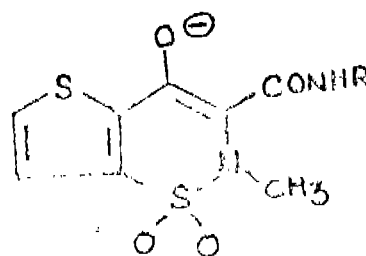
Inventor : ANTHONY MARFAT.

Application for Patent No. 831/Del/84 filed on 26th October, 1984.

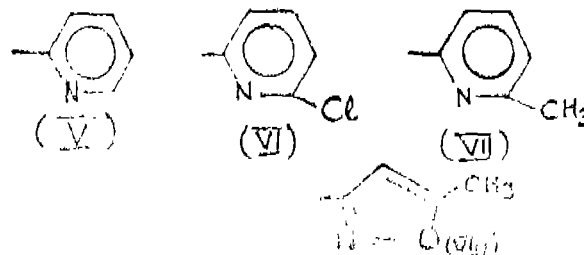
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

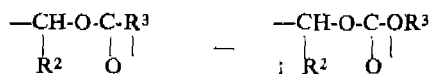
10 Claims

A process for the preparation of a compound having the Formula IV



wherein R is selected from radicals of Formula V, VI, VII or VIII



and R¹ is

a radical of Formula IX, a radical of Formula X, a radical of Formula XI, a radical of Formula XII or a radical of Formula XIII

n is 2, 3 or 4;

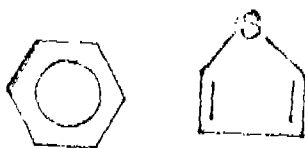
R² is hydrogen, methyl or phenyl;

R³ is (C₁—C₁₀) alkyl, (C₃—C₇) cycloalkyl, phenyl or benzyl, each optionally substituted by OR⁶ or OCOR⁶;

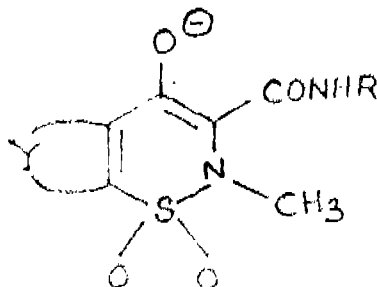
R⁴ and R⁵ are each independently hydrogen if methyl, and

R⁶ is (C₁—C₃) alkyl, and Y is a radical of Formula XIV

or XV



which comprises reacting the anionic salt of a compound of the Formula IVA



wherein R is as defined above with a compound of the Formula

R¹X

wherein R¹ is as defined above and X is a nucleophilically displaceable group such as herein described, and Y is as defined above.

Compl. Specn. 54 pages.

Drgs. 3 sheets.

CLASS : 152-C.

162324

Int. Cl. : C 08 f 47/00.

METHOD OF FORMING A SHAPED ARTICLE.

Applicant : POLYMER TECTONICS LIMITED, OF 174 GOSWELL ROAD, LONDON EC 1V 7DT, ENGLAND.

Inventors : 1. ROBERT FARKAS, 2. LOTHAR MICHAEL HORMANN.

Application No. 632/Del/84 filed on 7th August, 1984.

Convention dated 16th August, 1983 (83 22059) U. K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A method of forming a shaped article comprising forming into shape a melaminephenol-formaldehyde resole wherein the molar ratio of melamine phenol is in the range 1 : 4.7 to 1 : 0.29; wherein for each mole of melamine there are 1.5 to 3 moles of formaldehyde; and wherein for each mole of phenol there are 1.2 to 2 moles of formaldehyde, and causing the resole to cure at a pH in the range 2.5 to 9.5.

Compl. Specn. 20 pages.

Drg. Nil.

CLASS : 176 I & 126 A.

162325

Int. Cl. : F22b 37/38 & 37/42.

APPARATUS FOR CONTINUOUSLY MONITORING THE REMOVAL OF CLINKER FROM COAL-FIRED BOILERS IN THERMAL POWER STATIONS.

Applicant : STEIN INDUSTRIE, A FRENCH BODY CORPORATE, OF 19-21, AVENUE MORANE SAULNIER, 78140 VELIZYVILLACOUBLAY, FRANCE.

Inventors : JEAN-CLAUDE MEVEL & JACQUES BARBOT.

Application for Patent No. 875/Del/84 filed on 19th November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

Apparatus for continuously monitoring the removal of clinker from coal-fired boilers in thermal power stations, which boilers are suspended from a frame by means of two master horizontal beams, wherein the apparatus comprises at least one set of vibrating cord gauges disposed on the upper and the lower flanges of the beam, and two electronic monitoring circuits for analyzing the frequencies of vibrations of said cord gauges, said electronic monitoring circuits being connected to said cord gauges.

Compl. Specn. 8 pages.

Drgs. 2 sheets.

CLASS : 32B.

162326

Int. Cl. : CO7c 7/00.

"PROCESS FOR SWEETENING HYDROCARBONS".

Applicant : UOP INC., OF TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS 60016, U.S.A. A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELEWARE, IN THE UNITED STATES OF AMERICA.

Inventor : THOMAS ACE VERACHTERT.

Application for Patent No. 917/Del/84 filed on 5th December, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

A process for sweetening hydrocarbons which comprises .

- (a) admixing air into a hydrocarbon feed stream which comprises mercaptan and contacting the hydrocarbon feed stream in the presence of an alkaline aqueous solution with a mercaptan oxidation catalyst in an oxidation zone maintained at oxidation-promoting conditions which include an elevated pressure of from 120 psia to 1,000 psia,

and forming a liquid phase oxidation zone effluent stream which comprises hydrocarbons, disulfide compounds and alkaline aqueous solution with oxygen and nitrogen being dissolved in the hydrocarbons characterised in that;

- (b) separating the oxidation zone effluent stream in a high pressure separation zone maintained at essentially the same pressure as the oxidation zone into a liquid phase first process stream which comprises hydrocarbons having disulfide compounds, oxygen and nitrogen dissolved therein and an aqueous stream comprising the alkaline solution;
- (c) withdrawing the aqueous stream from the high pressure separation zone;
- (d) passing the first process stream into a low pressure separation zone, which is operated at a substantially lower pressure than the high pressure separation zone, and forming a vapor stream comprising oxygen, nitrogen and hydrocarbons and also forming a second process stream which comprises hydrocarbons having disulfide compounds dissolved therein; and
- (e) passing the second process stream into a low pressure storage facility and thereby reducing or eliminating dissolved gases in the sweetened product.

Compl. Specn. 20 pages.

Drg. 1 sheet.

CLASS : 55 F4.

162327

Int. Cl. : A 61k 27/06.

A PROCESS FOR THE PRODUCTION OF PHARMACEUTICAL COMPOSITION FOR THE TREATMENT OF RHEUMATIC DISEASES COMPRISING PHOSPHOLIPIDS AND NONSTEROIDAL ANTIPHLOGISTIC AGENTS.

Applicant : A. NATTERMANN & CIE. GMBH, OF NATTERMANNALLE 1, D-5000 KOLN 30, WEST GERMANY, A GERMAN COMPANY.

Inventors : ARMIN WENDEL, HELMUT WETZIG, MANFRED DURR, SIGURD LEYCK, JORG HAGER AND MIKLOS GHYCZY.

Application for Patent No. 941/Del/84 filed on 14th December, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A process for the production of pharmaceutical composition for the treatment of rheumatic diseases comprising phospholipids and nonsteroidal antiphlogistic agents in a molar ratio of 1 : 1 to 20 : 1, characterised in that admixing an oxamic derivative of the general formula 1 of the drawings wherein R¹ represents a heterocyclic ring such as herein described, R² and R³ are aromatic ring such as herein described with a 1, 2-diacyl-glycero-3-phosphocholine wherein 75—86% by weight of the acyl radicals are unsaturated fatty acid radicals or their mixture having a chain length of 16, 18 and/or 20 carbon atoms in the presence of a solvent such as herein described and optionally in the presence of a known auxiliary substance such as herein described.

Compl. Specn. 25 pages.

Drg. 1 sheet.

CLASS : 25A & 136E.

162328

Int. Cl. : E04c 1/00 & B28b 7/22.

"METHOD OF MANUFACTURING DRY WALL BUILDING BLOCKS, BUILDING BLOCKS FORMED THEREBY AND ASSEMBLY OF SUCH BUILDING BLOCKS".

Applicant & Inventor : RANDOLPH A. RUDOLPH OLSEN, A CITIZEN OF ZIMBABWE OF P.O. BOX 4615, HARARE, ZIMBABWE.

Application for Patent No. 169/Del/86 filed on 26th February, 1986.

Convention date 24th March, 1982/8208626/(U.K.).

Divisional to Patent Application No. 189/Del/83 filed on 24th March, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims

A method of manufacturing dry wall building blocks of substantially constant cross-section, wherein the method comprises the steps of :—

- (i) providing at least one master form of a shape and dimensions corresponding to the shape and dimensions of the required finished blocks;
- (ii) positioning a plurality of metal liners against side faces of the or each master form;
- (iii) filling the spaces around the or each master form and liners to a required height with a liquid casting compound which is then allowed to set;
- (iv) removing the or each master form to leave a female mould having one or more mould cavities having moulding surfaces formed at least in part by the surfaces of the liners originally placed against the master form or forms;
- (v) mounting the mould in a block making machine;
- (vi) mixing a batch of concrete of predetermined mass and transferring the batch to a supply receptacle in the machine;
- (vii) filling the mould from the said batch and casting one or more of the said blocks;
- (viii) removing the block or blocks for curing; and
- (ix) successively repeating the cycle defined by steps (vi) to (viii) using the said mould.

Compl. Specn. 17 pages.

Drgs. 4 sheets.

CLASS : 195 B.

162329

Int. Cl. : F16k 11/00.

A HIGH PRESSURE FLUID CONTROL VALVE.

Applicant : WHITE CONSOLIDATED INDUSTRIES, INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, WITH OFFICES AT 11770 BEREAS ROAD, CLEVELAND, OHIO 44111, U.S.A.

Inventors : DALE STUART TRIPP & TIMOTHY EDWARD KUNKLE.

Application for Patent No. 289/Del/85 filed on 8th April, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A high pressure fluid control valve (10), comprising a valve body (11) including an internal flow path defining a fluid inlet (12) and a fluid outlet (14), a first valve seat (34) located within said internal flow path, a second valve seat (32) comprising a hardened, erosion-resilient material and located within said internal flow path in a spaced relation to said first valve seat, a main valve plug (36) being selectively, axially movable within said internal flow path and matable with said first valve seat (34) to interrupt fluid flow between the fluid inlet (12) and the fluid outlet (14), and a throttle plug (37) axially movable within said internal flow path in a predetermined relative motion with respect to said main valve plug (36) and matable with said second valve seat (32) to interrupt fluid flow between the fluid inlet (12) and the fluid outlet (14), said throttle plug (37) being in a coaxial, telescopic relation with said main valve plug (36) said throttle plug (37) being movable relative to the main valve plug (36) through a predetermined limited distance, said relative motion being set during a valve opening operation, whereby said main valve plug (36) lifts from said first valve seat (34) before said throttle plug (37) lifts from said second, hardened, erosion resistant valve seat (32), thereby throttling initial fluid flow primarily across said second hardened, erosion resistant valve seat, characterized in that said first valve seat (34) comprises a deformable, resilient material, said main valve plug (36) including a lower portion of increased diameter, extending to the lowermost end of the main valve plug (36), the diameter of said main valve plug above said lower portion of increased diameter being substantially equal to the diameter of said throttle plug (37), said throttle plug (37), being received within a hollow interior portion (43) defined by said lower portion of the main plug (36), at least one fluid flow path (46) formed completely through said lower portion of increased diameter of the main valve plug whereby fluid may flow from below to above the lower portion of the main valve plug (36), the portion of said internal flow path above said lower portion of the main valve plug being isolated from the portions of said internal flow path overlying the diameter of the main valve plug above said lower portion of increased diameter, at least one flow path (17) formed completely through the throttle plug (37) and main valve plug (36) whereby fluid may flow below the throttle plug to above, the main valve plug to the portions of the internal flow path which are isolated from the portions of the internal flow path above said lower portion of increased diameter.

Compl. Specn. 19 pages.

Drgs. 4 sheets.

CLASS : 36 A; 69 A + I.

162330

Int. Cl. : FO 4 d-15/02.

DEVICE FOR PREVENTING REVERSE ROTATION OF ELECTRIC MOTOR IN CENTRIFUGAL PUMP AND THE LIKE EQUIPMENT.

Applicant Inventor : NARAYAN NARSINHA DESAI, AT A-13/H, M.I.D.C. INDUSTRIAL AREA, PIMPRI, POONA-411 018, MAHARASHTRA, INDIA.

Application No. 3/Bom/1986. Filed on 2nd January, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

5 Claims

1. A device for preventing reverse rotation of electric motor in centrifugal pump and the like equipment, comprising a ball bearing adapted to be fitted on the free stub end of the rotor shaft of the motor, the outer free ring of the said ball bearing, being provided with an extended arm either integral or attached to the said outer ring with another ring rigidly connected to the said outer ring; a stationary arm or a stationary fork fitted on the stator of the motor and provided with an electrode, on

one arm of the fork or one surface of the stationary arm, such that contact of the extended arm with the said electrode during the reverse rotation of the motor is adapted to trip off the electric supply to the motor.

Compl. Specn. 6 pages.

Drgs. 2 sheets.

CLASS : 85-T.

162331

Int. Cl. : F 27 b 3/06.

A MATERIAL HANDLING SYSTEM.

Applicant & Inventor : JOHN N. BASIC SR., OF 21W161 HILL STREET, GLEN ELLYN, ILLINOIS 60137, U. S. A., A U. S. NATIONAL.

Application No. 640/Mas/84 filed August 24, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

22 Claims

A material handling system comprising a fixed suspension frame and one or more superstructure suspended from said frame for limited arcuate movement of said superstructure relative to said frame, said superstructure including a central area thereon adapted to receive a pile of particles, and means for stroking and stopping movement of said superstructure relative to said frame to compel movement of said particles when arranged on said area responsive to each stroking and stopping of said superstructure, said superstructure having a yoke extending from one side thereof and said frame having a beam on each of opposed sides of said yoke defining predetermined positions for stroking and stopping movement of said superstructure relative to said frame.

Compl. Specn. 23 pages.

Drgs. 4 sheets.

CLASS : 70 C₄

162332

INT. Cl. : C 22 d 1/06

AN ELECTROLYTIC PROCESS FOR THE ELECTROLYSIS OF AN AQUEOUS ALKALI METAL HALIDE SOLUTION

Applicant : KANEGAFUCHI KAGAKU KOGYO KABUSHIKI KAISHA, OF-2-4, 3-CHOME, NAKANO-SHIMA, KITA-KY, OSAKA-SHI, JAPAN, A JAPANESE COMPANY.

Inventors : (1) YASUSHI SAMEJIMA (2) MINORU SHIGA, (3) TOSHIO KOANO (4) KIYOSHI YAMADA.

Application No. 658/Mas/84 filed August 27, 1984.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims

In an electrolytic process for the electrolysis of an aqueous alkali metal halide solution using a horizontal electrolytic cell partitioned by a cation exchange membrane which is positioned substantially horizontal into an upper anode compartment and a lower cathode compartment, said cathode compartment having therein a gas-liquid impermeable cathode plate, the improvement comprising carrying out electrolysis while supplying into the cathode compartment a catholyte for enfolding cathode gas generated in a space formed between the cation exchange membrane and the cathode plate to form a mixed stream of the cathode gas and the catholyte and discharging the mixed stream from the cathode compartment, said catholyte having a flow rate satisfying the following equation :

$$Y \geq 9 \log_{10} X + 11 (1)$$

wherein Y is the initial linear velocity (cm/sec) of the catholyte containing no cathode gas or containing cathode gas in an extremely small amount, and X is the length (m) of a passageway of the catholyte in the cathode compartment.

(Com.-23 pages; Drwgs.-3 sheets)

CLASS : 127 I. 195-E.

162333

Int. Cl. : F 15 c 3/08.

A TRANSDUCER FOR CONVERTING ELECTRICAL SIGNAL TO PNEUMATIC SIGNAL.

Applicant : ROSEMOUNT INC., a corporation of the State of Minnesota, United States of America of 12001 West 78th Street, Eden Prairie, Minnesota 55344, United States of America.

Inventor : Gregory C. Brown.

Application No. 670/Mas/81 filed 1 September, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims

A transducer for converting electric signal to pneumatic signal, coupled to an electric signal and a gas supply, comprising a nozzle (12, 40, 56, 120) connectible to the gas supply for expelling a gas stream (20A, 36), a receiver (12, 42, 58, 124) spaced from the nozzle (12, 40, 56, 120) positioned for recovering at least a portion of the expelled gas stream (20A, 36) the recovered portion constituting a pneumatic output signal, and a deflector (14, 38, 52, 122, 130, 132, 134, 138) positioned between the nozzle and receiver, the position of which relative to the gas stream is controlled by the electric input signal, the deflector (14, 38, 52, 122, 130, 132, 134, 138) is shaped and positioned with respect to the nozzle (12, 40, 56, 120) to lift aerodynamically further into the gas stream (20A, 36) expelled from the nozzle (12, 40, 56, 120) deflecting the gas stream (20A, 36) thereby to affect the magnitude of the portion of the gas stream recovered by the receiver (16, 42, 58, 124), the said deflector (14, 38, 52, 122, 130, 132, 134, 138) being coupled to an actuator (13, 128) and receiving the electric input signal and converting such signal into motion in a plane relative to a reference, the portion of the gas stream forming the output signal bearing a predetermined relationship to the electric input signal.

Compl. Specn. 31 pages.

Drgs. 6 sheets.

CLASS : 24—E + F.

162334

Int. Cl. : B 60 t 11/00.

ACTUATOR ASSEMBLIES FOR VEHICLE BRAKES.

Applicant : LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventor : JOHN PATRICK BAYLISS.

Application No. 673/Mas/84 filed September 4, 1984.

Convention date : 17 September, 1983 (No. 8324942; United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

6 Claims

An actuator assembly for vehicle brakes of the kind set forth in which the adjuster means is arranged in parallel with the strut assembly and incorporates the spring in which energy is adapted to be stored, the adjuster means being adapted to receive a signal which is applied to the adjuster means through a connection which includes a degree of lost motion and which is dependent upon movement of the strut assembly or the brake-applying means in a brake-applying direction, and the adjuster means being adapted to apply an adjusting force to the strut assembly when the outer screw threaded member of the strut

assembly meshes with a rotatable pinion incorporated in the adjuster means, in response to energy released from the spring when the brake is released.

Compl. Specn. 14 pages.

Drgs. 8 sheets.

CLASS : 31 A.

162335

Int. Cl. : H 01 g 1/16.

COMPLEX CAPACITIVE IMPEDANCE CIRCUIT.

Applicant : INTERNATIONAL STANDARD ELECTRIC CORPORATION, A Corporation organised under the laws of the State of Delaware, United States of America, of 320 Park Avenue, New York 10022, State of New York, United States of America.

Inventor : Benno Dreier.

Application No. 685/Mas/84 filed 10 September, 1984.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-600 002.

5 Claims

Complex capacitive impedance circuit, characterised in that a capacitive impedance (Z3) in series with a first resistor (R1) forms a voltage divider, and that the first resistor (R1) is shunted by a voltage follower circuit (SFS).

Compl. Specn. 7 pages.

Drgs. 2 sheets.

CLASS : 167-F.

2336

Int. Cl. : G 07 d 3/00.

A COIN SORTING APPARATUS.

Applicant : CUMMINS-ALLISON CORPORATION, A CORPORATION OF INDIANA, OF 891, FEEHANVILLE DRIVE, MOUNT PROSPECT, ILLINOIS 60056, U.S.A.

Inventor : DONALD E. RATERMAN.

Application No. 686/Mas/84 filed September 10, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-600 002.

8 Claims

A coin sorting apparatus comprising :

a pair of substantially parallel horizontal discs forming a pair of opposed surfaces which have at least portions thereof spaced slightly away from each other to permit coins to slide between the opposed surfaces,

one of said discs being stationary and the other disc being mounted for rotation about an axis that is substantially perpendicular to said opposed surfaces, the rotatable disc having a resilient biasing surface for urging coins pressed therein toward the opposed surface of the stationary disc, a drive motor coupled to said rotating disc for driving said disc,

means for providing a signal indicative of the presence of a predetermined condition,

the stationary disc having a plurality of recessed areas therein for releasing any coins entering any recessed areas from the biasing pressure of said resilient surface and thereby permitting radial movement of coins between the two discs by rotation of the rotatable disc, in single file along an accurate path and to escape radially according to sizes from between the discs to different predetermined positions around the periphery of the stationary disc, and

means for blocking coins from entering said predetermined path in response to said signal.

Compl. Specn. 30 pages.

Drgs. 3 sheets.

CLASS : 131-B 3, 127-C.

162337

Application No. 718/Mas/84 filed 20th September, 1984.

Int. Cl. : E 21 c 1/00.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-600 002.

A DEVICE FOR DRILLING A HOLE.

Applicant & Inventor : JAN EDVARD PERSSON, a Swedish citizen, of Honnicksdalsringen 175, S-131 32 Nacka, Sweden.

Application No. 699/Mas/84 filed 13 September, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-600 002.

11 Claims

A device for drilling a hole in soil and/or rock while simultaneously lining the drilled hole with a lining tube, said device comprising an energy transfer means in the form of a sinker bore hammer, a drill stem or like element; a guide adjacent to one end of said means; and an eccentrically mounted drill bit, the drill bit being mounted to co-operate with said guide for limited rotation between a first terminal position, constituting an extended drilling position in which a cutting part of the drill bit produces in front of the lining tube a hole whose diameter is greater than the outer diameter of the lining tube, and a second terminal position that constitutes a withdrawn position in which the drill bit, together with the guide is accommodated within the lining tube and can be withdrawn there-through, the guide being non-rotatably connected to the energy transfer means and the drill bit being mounted for limited rotation relative to the energy transfer means through an angle of rotation of at least 90°.

Compl. Specn. 16 pages.

Digs. 2 sheets.

CLASS : 201 D & 70 A, C 5.

162338

Int. Cl. : C 02 c 5/12.

"A METHOD AND APPARATUS FOR WATER PURIFICATION".

Applicant : HYDROTRONIC WATER CLEANING SYSTEMS, LTD., OF ALPENSTRASSE 14, CH-6300 ZUG, SWITZERLAND, a Swiss Corporation.

Inventor : GEORGE MILLER.

Application for Patent No. 703/Mas/84 filed on 14th September, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972)* Patent Office Branch, Madras-600 002.

22 Claims

A water purification process wherein water to be purified is directed past at least two electrodes having voltage of different polarity and made of multivalent metals, the electrodes being immersed in a fluidized bed of solid, non conductive particles whose specific density is greater than that of the contaminated water.

Compl. Specn. 12 pages.

Drg. 1 sheet.

CLASS : 141 F & 39 P.

162339

Int. Cl. : 4 C 01 G 45/10.

PREPARATION OF MANGANESE SULPHATE SOLUTION WITH VERY LOW CONCENTRATION OF POTASSIUM IMPURITY.

Kerr-McGee Chemical Corporation, a Corporation of the state of Delaware, located at Kerr-McGee center, Oklahoma City, Oklahoma, United States of America.

Inventors : Wilbert J. Robertson, Roger C. Shaw.

13 Claims

A process for the preparation of manganese sulfate solution with very low concentration of Potassium impurity for use in the manufacture of electrolytic manganese dioxide comprising :

- A. blending ore containing reduced manganese, an added source of water soluble aluminium ions, a source of water soluble ferric ions and an aqueous acid solution selected from the group consisting of aqueous sulfuric acid and an aqueous electrolyte containing sulfuric acid to form a digestion mixture having a solution pH ranging from 0.5 to 3.5;
- B. digesting said mixture optionally in contact with at least one complex salt at a temperature from 45°C up to the boiling point of said mixture to form a mixed reaction product comprising a liquid phase of manganese sulfate solution and a solid phase containing digested ore residue and a particular complex salt byproduct or mixture of particulate complex salt byproducts; and
- C. separating by known means said liquid phase of manganese sulfate solution from said mixed digestion product.

The compound of the invention is used in the manufacture of electrolytic manganese dioxide.

Compl. Specn. 18 pages.

Drg. Nil.

CLASS : 134-B.

162340

Int. Cl. : B 60 k 21/00.

A GEAR TRANSFER ASSEMBLY.

Applicant : DANA CORPORATION, a corporation of the State of Virginia, of 4500 Dorr Street, Toledo, Ohio, U.S.A.

Inventor : Stephen C. Cochran, Francis J. Terwoerds.

Application No. : 836/Mas/84 filed 6th November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-600 002.

13 Claims

A gear transfer assembly for selectively shifting a power driven vehicle between a two-wheel or four-wheel drive mode comprising a casing incorporating a power input shaft,

- a first output shaft for a first pair of wheels and a second output shaft for a second pair of wheels,

means for connecting said input shaft and said first output shaft in power driven relation for driving the first two wheels of the vehicle,

- a gear set comprising three constant mesh gears including an output gear for said first wheels mounted in freely rotatable relation on said first output shaft, an intermediate idler gear having a meshed relation with said first output gear and an idler shaft on which said idler gear is mounted and a second output gear for said second wheels fixed to said second output shaft having a meshed relation with said intermediate idler gear,

a synchronizer fixed to said first output shaft for rotation thereby; said synchronizer being engageable in driving relation with said first output gear whereby said gear set and second output shaft can be driven by said input drive shaft through said first output shaft, and

means for activating said synchronizer to effect its engagement with said first output gear whereby the assembly can be selectively shifted to drive the vehicle with either two or four-wheels.

Compl. Specn. 19 pages

Drgs. 7 sheets.

PATENTS SEALED

156081 157649 158947 159223 159260 159262 159264 159270
159271 159275 159279 159310 159311 159314 159327 159337
159340 159397 159400 159416 159417 159418 159456 159457
159458 159473 159474 159476 159484 159533 159574 159577
159580 159612 159856

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Krone Aktiengesellschaft, of Beeskowdam 3-11, 1000 Berlin 37, West Germany, a West German Company have made an application under section 57 of the Patents Act, 1970, for amendment of application specification and drawings of their application for Patent No. 159078 for "Clamping element for connecting electric conductors without welding, screwing and bolting." The amendments are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at Patent Office, 234/4, Acharya Jagdish Bose Road, Calcutta-700017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall lie within one month from the date of filing the said notice.

RENEWAL FEES PAID

141532 142244 143034 143501 144823 144866 145068 145245
145608 145756 145837 145851 146044 146432 146444 146762
147053 147167 147840 148072 148106 148107 148137 148219
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150985 151273 151429 152104 152669 152928 153920 153992
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157412 158150 158205 158335 158623 158627 158761 158767
158784 158786 158823 158980 159430

RENEWAL FEES PAID

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 158570. U Son Traders. 9063, Ram Bagh. Old Rohtak Road Delhi 11007 (India). an Indian Partnership Firm. "Carbonator". 24th July, 1987.

Class. 1. Nos. 158743 & 158744. Khaitan (India) Limited, an Indian Company of 46C, J.L. Nehru Road, Calcutta-700071, West Bengal, India. "Electric Ceiling Fan". 28th August, 1987.

Class. 1. No. 158745. Khaitan (India) Limited, an Indian Company of 46-C, J.L. Nehru Road, Calcutta-700071, West Bengal, India. "Electric Fan Blade". 28th August, 1987.

Class. 1. No. 158810. Nelson Type Foundry Private Limited, 34, Sami Pillai St., Choolai, Madras-600112, Tamil Nadu, Indian Private Limited Company. "Tamil Type Front". 16th September, 1987.

Class. 1. No. 158831. Home Machines Private Limited, an Indian Company of 9/46, Kirti Nagar Ind. Area, New Delhi-110015, India and George Kiran Pillai, an Indian National also of the above address. "Emergency light & Fan Unit". 22nd September, 1987.

Class. 1. No. 158833. Peico Electronics and Electricals Limited of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-400018, Maharashtra, India, an Indian Co. "Black & White Television". 23rd September, 1987.

Class. 1. No. 159025. Earl Bihari Private Limited, (a company incorporated under the Indian Companies Act) at 148-B, St. Cyril's Road, Bandra, Bombay-400050, Maharashtra, India. "Door Stopper". 16th November, 1987.

Class. 3. No. 158746. Khaitan (India) Limited, an Indian Company of 46C, J.L. Nehru Road, Calcutta-700071, West Bengal, India. "Electric Fan Blade". 28th August, 1987.

Class. 3. No. 158834. Peico Electronics and Electricals Ltd., of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-400018, Maharashtra, India, an Indian Co. "Black & White Television". 23rd September, 1987.

Class. 3. No. 158862. Caroma Industries Limited a company incorporated under the laws of the State of New South Wales, Australia of 76, Macell Road, Norwood, South Australia-5067, Australia "Urinal". Reciprocity date is 25th June, 1987. (Australia).

Class. 3. No. 158904. Modi Rubber Limited, an Indian Company of Modinagar, Uttar Pradesh, India. "Type for a Vehicle Wheel". 8th October, 1987.

Class. 3. No. 159023. Clair Packaging Private Limited (an existing company under the Companies Act) at 404-A, Waghwadi, 3rd Floor, Kalbadevi Road, Bombay-400002, State of Maharashtra, India. "Plastic Container". 16th November, 1987.

Class. 4. No. 158832. Peico Electronics and Electricals Ltd., of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-400018, Maharashtra, India, an Indian Company. "Black & White Television". 23rd September, 1987.

Class. 4. Nos. 158836 & 158838. Eli Lilly and Company a corporation of the State of Indiana, United States of America having principal place of business at Lilly Corporate Center, City of Indianapolis, State of Indiana, United States of America. "Cosmetic Container". 23rd September, 1987.

Class. 5. No. 158763. Mr. Om Prakash Chabra, Indian National of the address A-2/15, Rajouri Garden, New Delhi, India. "Playing Cards". 2nd September, 1987.

Class. 10. No. 159160. Carona Limited, a company incorporated under the Indian Companies Act, 1913 and having its registered office at New Idvog Mandi Compound, Mogul Lane, Mahim Bombay-400016, Maharashtra, India. "Chappals". 14th December, 1987.

Extn. of Copyright for the Second period of five years.
Nos. 151972, 151882, 151855, 151915, 151854, 151833,
151442, 151384, 151877, 151895, 151896—Class-1.

Nos. 151967, 151973, 151280, 151856, 151839, 151761,
151849, 151824, 151349, 151878—Class-3.

Extn. of Copyright for the Third period of five years.
No. 151896—Class-1.

NAME INDEXES OF APPLICANTS FOR PATENTS FOR
THE MONTH OF DECEMBER, 1987 (NOS. 940/CAL/87
TO 1010/CAL/87, 353/BOM/87 TO 387/BOM/87.

859/MAS/87 TO 948/MAS/87 AND 1023/DEL/87 TO
1163/DEL/87)

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"A"

AB Akerlund & Rausing.—863/Mas/87.
A.H. Robins Company, Incorporated.—929/Mas/87.
Abplanalp, R.H.—895/Mas/87.
Agricultural Genetics Company Limited.—909/Mas/87.
Air Products and Chemicals, Inc.—870/Mas/87.
Akebono Brake Industry Co. Ltd.—881/Mas/87.
Aktiebolaget, Bofors.—1064/Del/87.
Albright & Wilson Limited.—1120/Del/87.
Alcan International Limited.—1125/Del/87.
American Standard Inc.—864/Mas/87.
Anand, S.S.—1075/Del/87.
Antibioticos S.A.—940/Mas/87.
Asahi Glass Company Limited.—972/Cal/87.
Associated Electronics Research Foundation.—1066/Del/87,
1067/Del/87, 1068/Del/87 & 1069/Del/87.
Atlas Powder Company.—1040/Del/87.

"B"

BASF Aktiengesellschaft.—885/Mas/87 & 935/Mas/87.
B&J Manufacturing Company.—943/Cal/87.
B.P. Chemicals Limited.—1057/Del/87.
Babcock & Wilcox Company, The.—856/Cal/87 & 898/Cal/
87.

"B"

Bajaj Auto Ltd.—375/Bom/87.
Bala, S.H.—379/Bom/87.
Baxi, G.A.S.—387/Bom/87.
Beloit Corporation.—940/Cal/87 & 963/Cal/87.
Bergwerksverband GmbH.—1085/Del/87 & 1086/Del/87.
Bertin & Cie.—1146/Del/87.
Bhanuprasad, B.K.—355/Bom/87.
Bharat Heavy Electricals Limited.—1114/Del/87.
Bhat, G.V.—877/Mas/87, 878/Mas/87, 879/Mas/87 &
896/Mas/87.
Bhattacharya, A.K.—964/Cal/87.
Biopolymers Limited.—992/Cal/87.

Name & Application No.

Board of Regents, University of Texas System. The.—886/
Mas/87.
Boots Company (India) Limited, The.—358/Bom/87, 359/
Bom/87 & 360/Bom/87.
Bridgestone Corporation.—1002/Cal/87, 1003/Cal/87 &
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Brishaila, M.A.—866/Mas/87.
British-American Tobacco Company Ltd.—888/Mas/87.
British Petroleum Company P.L.C., The.—937/Mas/87.
Butler, D.—1056/Del/87.

"C"

CRA Services Ltd.—977/Cal/87.
Central Mine Planning & Design Institute Ltd.—998/Cal/87.
Centre Scientifique Et Technique Du Batiment.—1044/Del/87.
Chevron Research Company.—927/Mas/87.
Chowdhury, D.N.—981/Cal/87.
Cioffi, R.—961/Cal/87.
Colgate-Palmolive Co.—1035/Del/87 & 1148/Del/87.
Compagnie Bergougnan Benelux.—1117/Del/87.
Commonwealth Scientific and Industrial Research Organisa-
tion.—961/Cal/87.
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Corning Glass Works.—920/Mas/87.
Council of Scientific and Industrial Research.—1023/Del/87,

1024/Del/87, 1048/Del/87, 1049/Del/87, 1050/Del/87
1051/Del/87, 1052/Del/87, 1053/Del/87, 1080/Del/87
1081/Del/87, 1082/Del/87, 1088/Del/87, 1089/Del/87
1090/Del/87, 1091/Del/87, 1092/Del/87, 1097/Del/87
1107/Del/87, 1108/Del/87, 1109/Del/87, 1110/Del/87
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1132/Del/87, 1133/Del/87, 1150/Del/87, 1151/Del/87
1152/Del/87, 1153/Del/87, 1154/Del/87, 1155/Del/87
1156/Del/87, 1157/Del/87, 1158/Del/87, 1159/Del/87
1160/Del/87, 1161/Del/87 & 1162/Del/87.

"D"

Danish Wood Treating Co. Ltd., The.—926/Mas/87.
Datey, D.G.—378/Bom/87.
Dell'Orto S.p.A.—892/Mas/87
Deo, S.M.—384/Bom/87.
Desai, M.N.—381/Bom/87.
Dewan, S.K.—1060/Del/87.
Doshi, V.R.—373/Bom/87.
Dow Chemical Company, The.—861/Mas/87 & 862/Mas/87
Dow Corning Corporation.—932/Mas/87 & 933/Mas/87.
Dynamit Nobel Aktiengesellschaft.—946/Mas/87.

Name & Application No.	Name & Application No.
"E"	Inland Steel Company.—910/Mas/87.
E.I. Du Pont De Nemours and Company.—973/Cal/87 & 1005/Cal/87.	Institut Elektrosvarki Imeni E.O. Patona Akademii Nauk Ukrainskoi SSR.—1079/Del/87.
Elektro-Thermit GmbH.—900/Mas/87.	Institut Francais Du Petrole.—905/Mas/87, 915/Mas/87, 916/Mas/87, 917/Mas/87, 921/Mas/87.
E-Lite Technologies, Inc.—971/Cal/87.	Institut Khimii Tverdogo Tela I. Bererabotki.—955/Cal/87.
Emhart Industries, Inc.—1033/Del/87 & 1071/Del/87.	Institut Problem Modelirovania V Energetike Akademii Nauk Ukrainskoi SSR.—960/Cal/87.
Energy Conversion Devices Inc.—1026/Del/87.	Inventio AG.—939/Mas/87.
Enfield India Ltd., The.—860/Mas/87.	Istituto Guido Donegani S.p.A.—982/Cal/87.
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Enichem Augusta Spa.—913/Mas/87 & 914/Mas/87.	Jaswal, R.S.—354/Bom/87.
Enichem Fibre S.p.A.—874/Mas/87.	Jaysynth Dyechem Private Ltd.—363/Bom/87, 364/Bom/87, 365/Bom/87, 366/Bom/87 & 367/Bom/87.
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Ethicon, Inc.—947/Cal/87.	Kabushiki Kaisha ASTEC.—943/Mas/87.
Exxon Chemical Patents Inc.—1118/Del/87.	Kambar, D.K.—378/Bom/87.
Exxon Research and Engineering Company.—1025/Del/87, 1055/Del/87, 1121/Del/87, 1135/Del/87 & 1149/Del/87.	Kenrich Petrochemicals, Inc.—1123/Del/87.
"F"	Khaitan, M.K.—1098/Del/87.
F.L. Smidth & Co.—889/Mas/87.	Kharkar, A.G.—374/Bom/87.
Fosroc International Limited.—912/Mas/87.	Kher, R.B.—384/Bom/87.
Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H.—995/Cal/87.	Kichlu, K.—936/Mas/87.
Fuller Company.—1032/Del/87.	Klocker-Entwicklungs-GmbH.—974/Cal/87.
"G"	Kollmorgen Corporation.—1145/Del/87.
Giff International Limited.—872/Mas/87.	Kothari, K.C.—993/Cal/87.
Georg Fischer Ag.—965/Cal/87.	Kothari, V.—993/Cal/87.
Geraver.—1134/Del/87.	Krasnoyarsky Politekhicheskyy Institut.—955/Cal/87.
Gillette Company, The.—893/Mas/87 & 1061/Del/87.	Krupp Polysius AG.—1029/Del/87 & 1030/Del/87.
Godfrey Phillips India Ltd.—1037/Del/87.	Kumar, M.—1126/Del/87.
Goldstar Co. Ltd.—1001/Cal/87.	"L"
Goodyear Tire & Rubber Company, The.—1116/Del/87.	Lamerie, N.V.—986/Cal/87.
Grosman, I.—959/Cal/87.	Lantor BV.—962/Cal/87.
"H"	Lanxide Technology Company, LP.—979/Cal/87.
Haffline Institute for Training, Research & Testing.—353 Bom/87.	Larikka, L.—944/Cal/87.
Himont Incorporated.—999/Cal/87.	Licentia Patent-Verwaltungs GmbH.—1000/Cal/87.
Hindustan Lever Ltd.—369/Bom/87, 370/Bom/87 & 385/Bom/87.	Lord Corporation.—1045/Del/87.
Hitachi Ltd.—978/Cal/87.	Lubrizol Corporation, The.—1040/Del/87 & 1124/Del/87.
Hoechst Aktiengesellschaft.—945/Cal/87, 946/Cal/87, 924/Mas/87, 925/Mas/87 & 942/Mas/87.	Lucas Industries Public Limited Company.—894/Mas/87 & 922/Mas/87.
Hukerikar, V.D.—383/Bom/87.	Luciano Santoro.—961/Cal/87.
Hydro Quebec.—1054/Del/87.	"M"
"I"	Macneill & Magor Limited.—997/Cal/87.
Iel Limited.—996/Cal/87.	Magnitogoraky Gerno-Metallurgicheskyy Institut Iracni G.I. Nosora.—1079/Del/87.
I.T.C. Limited.—887/Mas/87, 947/Mas/87 & 948/Mas/87.	Man Gutehopnungshutte GmbH.—871/Mas/87.
Indian Institute of Science.—882/Mas/87 & 930/Mas/87.	Massachusetts Institute of Technology.—928/Mas/87.
Indupack AG.—990/Cal/87.	McConway & Torley Corporation.—980/Cal/87.
	Mead Corporation, The.—985/Cal/87.
	Mehta, P.J.—859/Mas/87.
	Merlin Gerin.—867/Mas/87, 907/Mas/87 & 934/Mas/87.

Name & Application No.	Name & Application No.
"M"	
Micrigan Consolidated Gas Company.—987/Cal/87.	Rosemount Inc.—880/Mas/87.
Microworld of Inner Space Limited.—890/Mas/87.	Rovel S.A.R.L.—1122/Del/87.
Mining Supplies (Longwall) Limited.—948/Cal/87.	Roy Louis Abrahams.—938/Mas/87.
Mitra, B.P.—361/Bom/87.	Roy, S.—969/Cal/87.
Mobil Oil Corporation.—891/Mas/87, 941/Mas/87 & 1073/Del/87.	
Morton Thiokol Limited.—1096/Del/87.	"S"
"N"	
Narula, S.—362/Bom/87.	Sags Getters S.p.A.—884/Mas/87.
National Council for Cement and Building Material—1041/Del/87.	SSMC Inc.—1099/Del/87.
National Research Development Corporation.—1047/Del/87.	Salem Resources Private Ltd.—859/Mas/87.
Nauchno-Issledovatel'sky Institut Prikladnykh Fizicheskikh Problem Imeni A.N. Sevchenko.—968/Cal/87.	Salplex Ltd.—1137/Del/87.
Neste Oy.—1008/Cal/87.	Samhwa Electric Industrial Co. Ltd.—1142/Del/87.
Nederlandse Centrale Organisatie Voor Toegepast-Natuurwetenschappelijk.—966/Cal/87.	Samsonite Corporation.—1093/Del/87.
Nippon Chemipharm Company Limited.—904/Mas/87.	Sathe, R.S.—374/Bom/87.
Nippon Kokan Kabushiki Kaisha.—357/Bom/87.	Sattelle Memorial Institute.—911/Mas/87.
Nobel Kemi AB.—1147/Del/87.	Schering Aktiengesellschaft.—1072/Del/87 & 1074/Del/87.
Norak Hydro A.S.—1083/Del/87 & 1084/Del/87.	Schwihab Gesellschaft Fur Eisenbahnoberbau MbH.—902/Mas/87.
Novenoco A/S.—903/Mas/87.	Scaling Devices Pty. Ltd.—1036/Del/87.
"O"	Seizo Iwai.—1115/Del/87.
Opytno-Experimentalny Zavod, Polimernykh izdeliy.—983/Cal/87.	Serge Ladriers.—1010/Cal/87.
Orlon-Yhtyma Oy.—970/Cal/87.	Shah, V.C.—371/Bom/87.
"P"	Sharma, A.—1100/Del/87 & 1101/Del/87.
PPG Industries, Inc.—1087/Del/87, 1104/Del/87, 1105/Del/87, 1138/Del/87 & 1140/Del/87.	Shell Internationale Research Maatschappij B.V.—906/Mas/87.
Palani, N.—876/Mas/87.	Shell Internationale Research Maatschappij B.V.—906/Mas/87 & 1031/Del/87.
Palitex Project Company, GmbH.—868/Mas/87.	Shimizu Construction Co. Ltd.—1009/Cal/87.
Pandrol Limited.—1042/Del/87.	Siemens Aktiengesellschaft.—975/Cal/87.
Parekh, J.C.—377/Bom/87.	Sikka S.B.—897/Mas/87.
Parthasarathy, N.—875/Mas/87.	Siltap Chemicals Ltd.—386/Bom/87.
Pattabhi V.—984/Cal/87.	Singh, K.P.—1127/Del/87.
Patel, M.C.—356/Bom/87.	Singh, U.—362/Bom/87.
Patel, M.P.—380/Bom/87.	Societe Des Produits Nestle S.A.—931/Mas/87.
Patel, P.J.—380/Bom/87.	Souza, R.D.—372/Bom/87.
Peico Electronics & Electricals Limited.—368/Bom/87.	Standard Oil Company, The.—1103/Del/87.
Peterson Manufacturing Co. Inc.—1143/Del/87.	Stauffer Chemical Company.—873/Mas/87.
Pfizer Inc.—1059/Del/87 & 1144/Del/87	Steelworth Pvt. Ltd.—942/Cal/87 & 950/Cal/87.
Filkington Plc.—918/Mas/87.	Subramaniam, T.S. (Dr.).—887/Mas/87, 947/Mas/87 & 948/Mas/87.
Porekh, B.M.—373/Bom/87.	
President and Fellows of Harvard College.—1163/Del/87.	"T"
"R"	
R.J. Reynolds Tobacco Company.—967/Cal/87.	Tank, M.P.—376/Bom/87.
Rangachary, K.A.—908/Mas/87.	Texaco Development Corporation.—941/Cal/87.
Rauma-Repola Oy.—994/Cal/87.	Tideo Group Ltd.—991/Cal/87.
Recyteo S.A.—1077/Del/87.	Trutzschler GmbH & Co. Kg.—949/Cal/87 & 953/Cal/87.
Rhone-Poulenc Films.—919/Mas/87.	
Robert Bosch GmbH.—865/Mas/87 & 914/Mas/87.	

Name & Application No.	Name & Application No.
"U"	"W"
UOP INC.—1058/Del/87 & 1070/Del/87. Ukrainsky Institut Inzhenerov Vodnogo Khozyaystva.—1136/Del/87. Union Carbide Corporation.—1065/Del/87 & 1139/Del/87. Union Rheinische Braunkohlen Kraftstoff AG.—1043/Del/87. Uniroyal Chemical Company, Inc.—1062/Del/87 & 1063/Del/87.	Walter Frank Albers.—976/Cal/87. Warner-Lambert Company.—1038/Del/87, 1094/Del/87 & 1095/Del/87. Westinghouse Electric Corporation.—957/Cal/87, 958/Cal/87 & 988/Cal/87. White Consolidated Industries, Inc.—1007/Cal/87. Wilson, F.G.—1039/Del/87.
"V"	"Y"
Valenti, G.L.—961/Cal/87. Vallalat, M.—869/Mas/87. Vallalat, M.T.—869/Mas/87. Vamtex S.p.A.—883/Mas/87. Venkatachalapathy, G.—923/Mas/87. Verghese, M.—945/Mas/87. Vibrachoc.—1078/Del/87. Vickers, Incorporated.—1006/Cal/87. Viswanath, B.—866/Mas/87. Vital, P.S.R.V.S.—947/Mas/87. Vocal-Alpine Aktiengesellschaft.—954/Cal/87.	Yang, Tai-Her.—1106/Del/87. Young, P.D.—1076/Del/87. Zaporozhsky Metizny Zavod Imeni XXVI Siezda KPSS.—1079/Del/87. Zhdanovsky Metallurgichesky Institut.—1141/Del/87.
	R. A. ACHARYA, Controller-General of Patents, Designs and Trade Marks.

